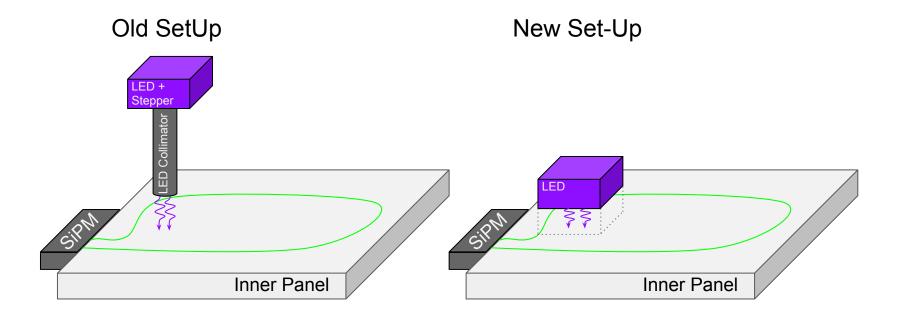
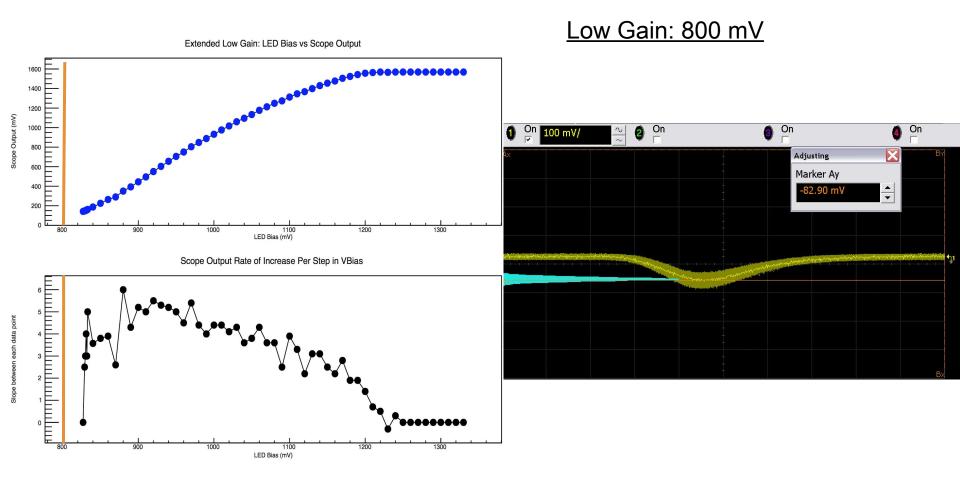
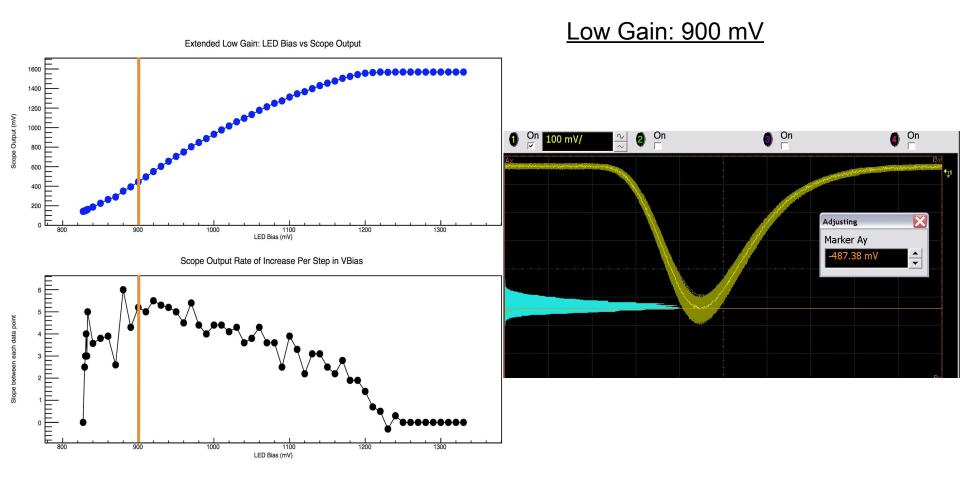
Pre-Amp Extended Low Gain Scan

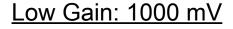
Sebastian Vazquez-Carson

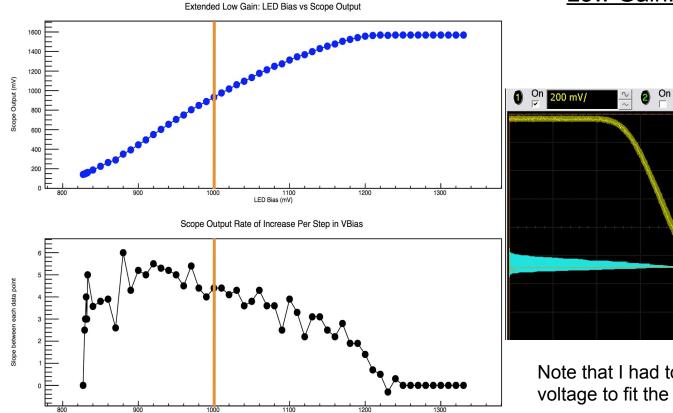


- This new setup is different from the old set up because now the led is much closer to the panel (~0cm vs ~15cm)
- This allows us to saturate the preamp with only one LED as opposed to an array of LED's

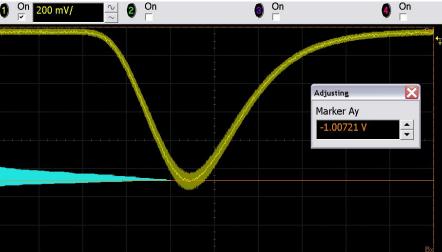




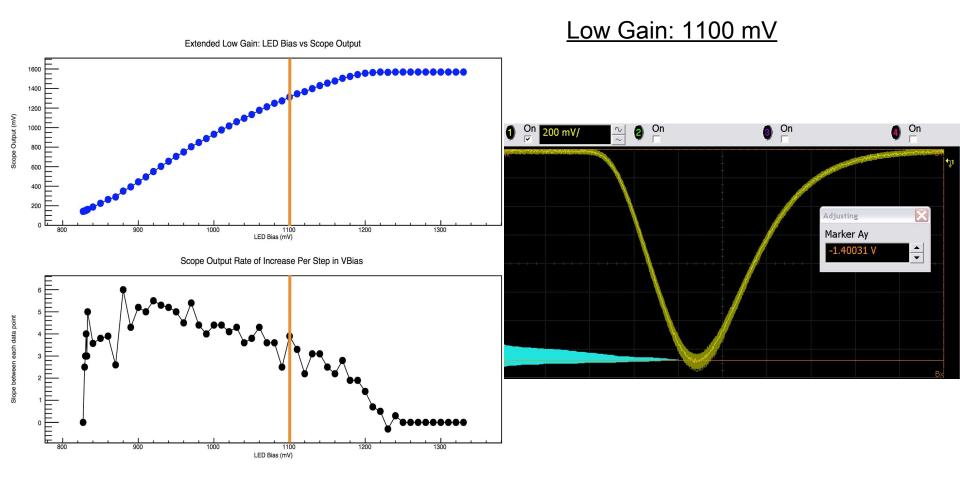


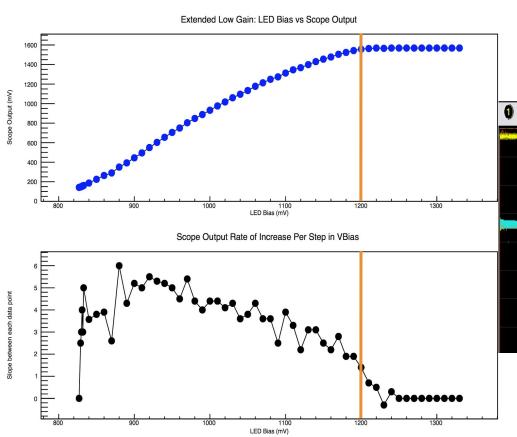


LED Bias (mV)

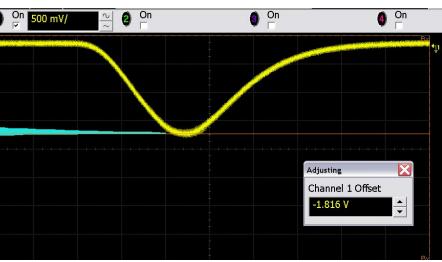


Note that I had to change the scale on the voltage to fit the whole pulse in the window

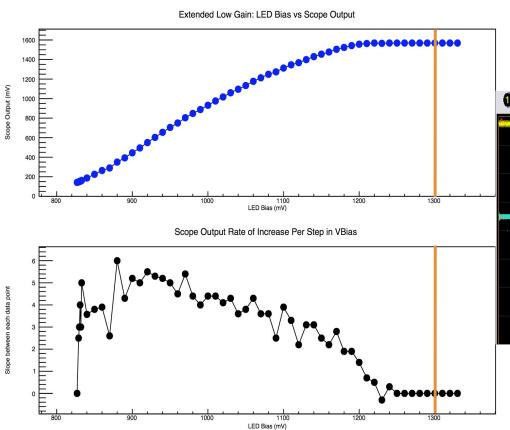




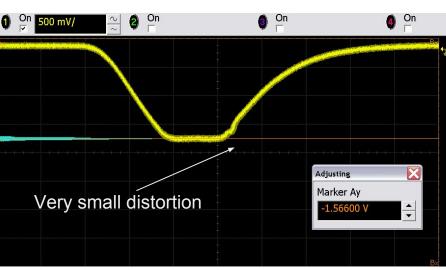
Low Gain: Saturation 1200 mV



Note that I had to change the scale on the voltage to fit the whole pulse in the window



Low Gain: Total Saturation 1300 mV



A cursory analysis of this data shows that the wave distortion we were seeing in the high gain setting is not present in the low gain read out.